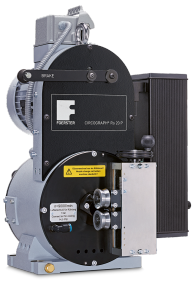
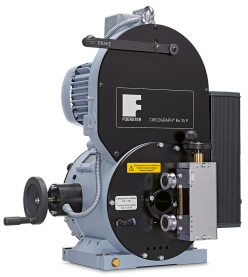
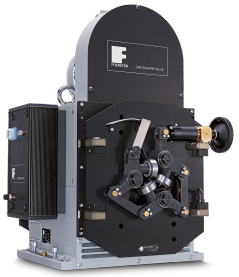
FOERSTER

CIRCOGRAPH RO 20, 35, 65

Contactless eddy current component testing







Automated testing with high throughput rate. The CIRCOGRAPH sensor systems were originally developed by FOERSTER for testing semi-finished products such as wire or rods. However, the rotating heads are also excellently suited for testing a broad range of components, including piston pins.

The rotating heads are therefore installed in systems such as the ROTO-PUSH. The rotating probes operate at intervals and are able to display even the smallest surface defect from a defect depth of approx. 30 µm in high resolution and full length. The probes rotate at high speed around the specimen and scan its surface without making contact in a helical manner. This allows a high throughput rate of up to 3 m/s with seamless testing.

YOUR ADVANTAGES AT A GLANCE

Maximum defect dectability: Optimized detection sensitivity for surface-open, longitudinally-oriented defects

Material diameters: Test material diameter to 65 mm

Consistent signal evaluation: Clearance compensation ensures constant signal evaluation

TECHNICAL INFORMATION

DIAMETER RANGES:	2–20 mm (Ro 20), 2–35 mm (Ro 35), 5–65 mm (Ro 65)
MAXIMUM ROTATIONAL SPEEDS:	18000 rpm (Ro 20), 9000 rpm (Ro 35), 6000 rpm (Ro 65)
MAXIMUM FEED RATE:	3 m/s (Ro 20, Ro 35), 2 m/s (Ro 65)

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